

Product datasheet for **SM028F**

Cd38 Rat Monoclonal Antibody [Clone ID: 90]

Product data:

Product Type:	Primary Antibodies
Clone Name:	90
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of neat-1/10 diluted antibody to label 10e6 cells in 100µl. The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Mouse pre-B cells derived from IL-7 dependent bone marrow cultures. Lymph node cells from an immunised rat were fused with cells of the mouse P3X63Ag.8.653 myeloma cell line.
Specificity:	This antibody recognises the CD38 cell surface antigen.
Formulation:	PBS containing 0.09% Sodium Azide as preservative and 0.5% BSA as stabilizer. Label: FITC State: Liquid purified IgG fraction. Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Conjugation:	FITC
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light.
Stability:	Shelf life: 6 month from despatch.
Gene Name:	CD38 antigen
Database Link:	Entrez Gene 12494 Mouse P56528



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Background:

CD38 antigen is an integral membrane glycoprotein (M.W. 45 kD). The CD38 antigen is present on approximately all pre-B lymphocytes, plasma cells and thymocytes. CD38 antigen is also expressed on activated T Lymphocytes, NK Cells, monocytes, myeloblasts and erythroblasts. CD38 is co-expressed on CD34+ cells, but is not expressed on pluripotent stem cells. CD38 antigen is present on T and B lymphoblastic leukemia (ALL), Burkitts' lymphoma, multiple myeloma and acute myeloid leukemia (AML).

Synonyms:

cADPr hydrolase 1, T10